

ABSTRACT

The optical recording medium comprises an active layer of inorganic material, able to undergo deformations due to the effect of an optical radiation, presenting a front face designed to receive an optical radiation during writing operations and a rear face. An additional metal layer is arranged on the rear face of the active layer. The additional metal layer preferably has a thickness comprised between 9 nanometers and 12 nanometers. The inorganic material of the active layer can be a tellurium and zinc alloy comprising an atomic percentage of between 60% and 70% of zinc and between 30% and 40% of tellurium, and preferably 65% of zinc and 35% of tellurium. The medium can comprise a semi-reflecting layer arranged on the front face of the active layer and/or a protective layer made of polymer material on the rear face.